

ABSTRACT OF THE DISCLOSURE

[0024] The present invention provides an operating method for detecting and solving the underflow and the overflow by using the oversampling. The operating method is suitable for the transmitter and the receiver that are using different clock frequencies to transmit data. In the present operating method, when the receiver receives a plurality of received packages, the leading edge sampling phase of each received package having the most frequency in the first synchronous period is used as the initial leading edge sampling phase. Afterwards, the underflow circulation center point and overflow circulation center point are determined. Then, the underflow operation and the overflow operation are processed according to the underflow circulation center point and overflow circulation center point. The extra bit is thrown away when the underflow operation is processing, and the lost bit is inserted when the overflow operation is processing.